



Dart Aerospace Ltd.
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Ship JAN 17

D117-1044-013
Job Sheet 188035



Part No: D117-1044-013

Job Qty: 1 pcs

Part Name: H145 Quick Release Heli-Utility-Basket™ Prop Arm



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 1/2/19

Job Tracking No:

Due Date: 1/17/19

Created By: Marie Lajeunesse

Type: SOLD

Description:

Note: IIN-D117-1044 REV.B IPP REV:A 18.01.17 NEW ISSUE DD VERF:JFS

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
110	Packaging 1 - Pick Kit	1 pcs	1/17/19		0.00	0.00	Packaging 1 - 1		
							Packaging 1 - 2		
							Packaging 1 - 3		
							Packaging 1 - 4		
							Packaging 1 - 5		
							Packaging 1 - 6		
							Packaging 1 - 7		
							Packaging 1 - 8		
							Packaging 1 - 9		
							Packaging 1 - 10		
							Packaging 1 - 11		
							Packaging 1 - 12		
							Packaging 1 - 13		
							Packaging 1 - 14		
							Packaging 1 - 15		
							Packaging 1 - 16		
							Packaging 1 - 17		
							Packaging 1 - 18		
							Packaging 1 - 19		
							Packaging 1 - 20		
							Packaging 1 - 21		
							Packaging 1 - 22		
							Packaging 1 - 23		
							Packaging 1 - 24		
							Packaging 1 - 25		
							Packaging 1 - 26		
							Packaging 1 - 27		
							Packaging 1 - 28		
							Packaging 1 - 29		
							Packaging 1 - 30		
							Packaging 1 - 31		
							Packaging 1 - 32		



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Container No: S141095



Part: D117-1044-013

Job No: 188035

Serial No/Batch: S141095

Revision: B

Inspector:

Exp Date:

Instructions: FAA STC SR02578SE 17/12/13, EASA STC 100

Entered: _____ Date: _____



WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐

Job: _____ Part No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐	DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Eng. (Non-AW) ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Engineering ☐ Water Jet ☐ Supplier Quality ☐			
Date :	Sequence #:	QTY Affected :		MRB (QSI042)	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor	
Root Cause Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Presservation ☐ Material ☐ Product Improvement ☐ Process Improvement ☐ Human Factors ☐		FAULT CATEGORY ☐ Pressure/Forced ☐ Bending ☐ Crushing ☐ Cracks ☐ Crimp/Kink/Ripple/Wave/Twist ☐ Marks/Chatter ☐ Mislabeled ☐ Contamination ☐ Misaligned/off center ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Incomplete/Unclear Instructions ☐ Drill Holes ☐ Fit/Function ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain Direction ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set/Set-up ☐ Positioned Wrong ☐ Outside Tolerance ☐ Drawing ☐ Finish ☐ Part Lost/Missing ☐ Misread			
Other/Details:					

				Packaging 1 - 33	
				Packaging 1 - 34	
				Packaging 1 - 35	
130 QC 4	1 pcs	1/17/19	0.00 0.00	QC 4 - 26	
				QC 4 - 28	
				QC 4 - 38	
				QC 4 - 42	
				QC 4 - 58	
				QC 4 - 6	
				QC 4 - 69	
				QC 4 - 9	
				QC 4 - 46	
140 Packaging 3-1 - Stock - B4B	1 pcs	1/17/19	0.00 0.00	Packaging 3 - 1 - B4B	DAS 46 JAN 04 2019
				Packaging 3 - 2 - B4B	DAS 46 JAN 04 2019
				Packaging 3 - 3 - B4B	9-89
				Packaging 3 - 4 - B4B	
				Packaging 3 - 5 - B4B	
				Packaging 3 - 6 - B4B	
				Packaging 3 - 7 - B4B	
				Packaging 3 - 8 - B4B	
				Packaging 3 - 9 - B4B	
				Packaging 3 - 10 - B4B	
				Packaging 3 - 11 - B4B	
				Packaging 3 - 12 - B4B	
				Packaging 3 - 13 - B4B	
				Packaging 3 - 14 - B4B	
				Packaging 3 - 15 - B4B	
				Packaging 3 - 16 - B4B	
				Packaging 3 - 17 - B4B	
				Packaging 3 - 18 - B4B	
				Packaging 3 - 19 - B4B	
				Packaging 3 - 20 - B4B	
				Packaging 3 - 21 - B4B	
				Packaging 3 - 22 - B4B	
				Packaging 3 - 23 - B4B	
				Packaging 3 - 24 - B4B	
				Packaging 3 - 25 - B4B	
				Packaging 3 - 26 - B4B	
				Packaging 3 - 27 - B4B	
				Packaging 3 - 28 - B4B	
				Packaging 3 - 29 - B4B	
				Packaging 3 - 30 - B4B	
				Packaging 3 - 31 - B4B	
				Packaging 3 - 32 - B4B	
				Packaging 3 - 33 - B4B	
				Packaging 3 - 34 - B4B	
				Packaging 3 - 35 - B4B	
145 DC - 1 - B4B	1 pcs	1/17/19	0.00 0.00	DC - 1 - B4B	DAS 21 JAN 04 2019
				DC - 2 - B4B	9-89
150 QC 21 - FG	1 pcs	1/17/19	0.00 0.00	QC 21 - FG - 21	DAS 21 JAN 04 2019
				QC 21 - FG - 70	

Part Op 130 - (QC4- 100% Inspect kits for completeness)

Descriptions: 140 - Identify and pack for shipping as per PPP D117-1044-013 Location: _____ PPP Rev: _____

145 - Photocopy bluefile & type labels per PPP D117-1044-013 CHG 001

150 - (QC21- Final Inspection - Work Order Release)

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
D2332-041	Lid Prop Assembly 6.69"	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5122 096
MS24665-300	Cotter Pin	2 Ea (2 ea)	110-Packaging 1 - Pick Kit	

Entered: _____ Date: _____



WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

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Date :	Sequence #:	QTY Affected :		MRB (QSI042)	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor	
				QC / QA Coordinator	
Root Cause Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Presservation ☐ Material ☐ Product Improvement ☐ Process Improvement ☐ Human Factors ☐		FAULT CATEGORY ☐ Pressure/Forced ☐ Bending ☐ Crushing ☐ Cracks ☐ Crimp/Kink/Ripple/Wave/Twist ☐ Marks/Chatter ☐ Mislabeled ☐ Contamination ☐ Misaligned/off center ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Incomplete/Unclear Instructions ☐ Drill Holes ☐ Fit/Function ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain Direction ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set/Set-up ☐ Positioned Wrong ☐ Outside Tolerance ☐ Drawing ☐ Finish ☐ Part Lost/Missing ☐ Misread			
Other/Details:					

Plex 1/2/19 7:49 AM Dart.lajeunesse.marie

Job Allocations				
Operation	Component Part	Required	Inventory	Allocated
110-Packaging 1 - Pick Kit	D2332-041	1	1	0
	MS24665-300	2	54	0
Part Specifications				
Specifications could not be found.				

5102465

Entered: _____ Date: _____



WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐

Job: _____ Part No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐	DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Eng. (Non-AW) ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Engineering ☐ Water Jet ☐ Supplier ☐ Quality ☐			
Date : _____	Sequence #: _____	QTY Affected : _____		MRB (QSI042)	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor	
				QC / QA Coordinator	
Root Cause Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Preservation ☐ Material ☐ Product Improvement ☐ Process Improvement ☐ Human Factors ☐ ☐ Pressure/Forced ☐ Bending ☐ Crushing ☐ Cracks ☐ Crimp/Kink/Ripple/Wave/Twist ☐ Marks/Chatter ☐ Mislabeled		FAULT CATEGORY ☐ Contamination ☐ Misaligned/off center ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Incomplete/Unclear Instructions ☐ Drill Holes ☐ Fit/Function ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain Direction ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set/Set-up ☐ Positioned Wrong ☐ Outside Tolerance ☐ Drawing ☐ Finish ☐ Part Lost/Missing ☐ Misread			
Other/Details:					

4.0 WEIGHT AND BALANCE

The following is the net weight increase associated with the Heli-Utility-Basket™ kits.

Installation	Weight	LATERAL		LONGITUDINAL	
		Arm	Moment	Arm	Moment
D117-1044-011/-012 (Heli-Utility-Basket™, LH/RH Install)	134 lb 60.8 kg	+/-40.5 in +/-1.03 m	+/-5427 in-lb +/-62.6 m-kG	167 in 4.24 m	22378 in-lb 257.8 m-kG
D117-1044-111 (Crosstube Adapter Kit, Install)	3.5 lb 1.6 kg	0.0 in 0.0 m	0.0 in-lb 0.0 m-kG	165.5 in 4.20 m	579 in-lb 6.7 m-kG
D117-1044-113/-114 (QR Basket Mounting Provision Kit, LH/RH Install, includes D117-1044-111 Crosstube Adapter kit above)	56 lb 25.4 kg	+/-14.7 in +/-37 m	+/-823 in-lb +/-9.4 m-kG	167 in 4.24 m	9352 in-lb 107.7 m-kG

REFERENCE ONLY

5.0 PARTS LIST

Qty -011	Qty -012	Qty -013	Qty -111	Qty -113	Qty -114	Part Number	Description
X						D117-1044-011	HELI-UTILITY-BASKET, LH
	X					D117-1044-012	HELI-UTILITY-BASKET, RH
		X				D117-1044-013	PROP ARM KIT (OPTIONAL)
			X	1	1	D117-1044-111	CROSSTUBE ADAPTER KIT
1				X		D117-1044-113	QR BASKET MOUNTING PROVISION KIT, LH
	1				X	D117-1044-114	QR BASKET MOUNTING PROVISION KIT, RH
		1*				D2332-041	PROP ASSEMBLY (OPTIONAL)
1						D5067-011	BASKET ASSEMBLY, HEAVY DUTY, LH
	1					D5067-012	BASKET ASSEMBLY, HEAVY DUTY, RH
			4			D5069-1	HARDPOINT ADAPTER
1	1					D5203-043	STRUT ASSEMBLY
				1		D5549-011	FWD BEAM ASSEMBLY, LH
					1	D5549-012	FWD BEAM ASSEMBLY, RH
				1		D5549-013	AFT BEAM ASSEMBLY, LH
					1	D5549-014	AFT BEAM ASSEMBLY, RH
			1			D5612-041	ADAPTER WRENCH
			4			DIN65270-12D	NUT
			4			EN2367-23025	PIN, COTTER
		2*				MS24665-300	COTTER PIN

* D2332-041 PROP ASSEMBLY & HARDWARE (OPTIONAL) TO REPLACE D3969-3 GAS SPRING

REFERENCE ONLY

Change Record

PAGE 1 OF 1

Part Number: D117-1044-013

Description: PROP ARM INSTALLATION (OPTIONAL)

[illegible]